FIG. 1

## Lane Number

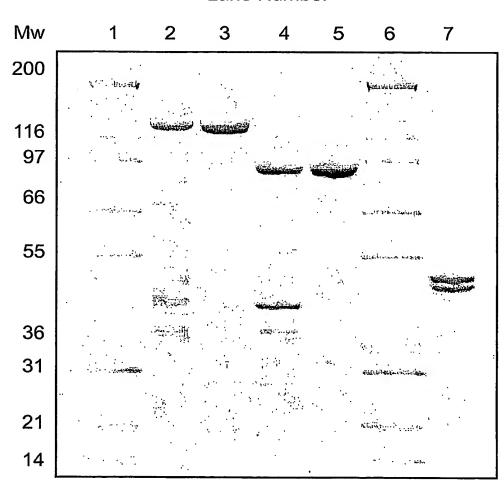
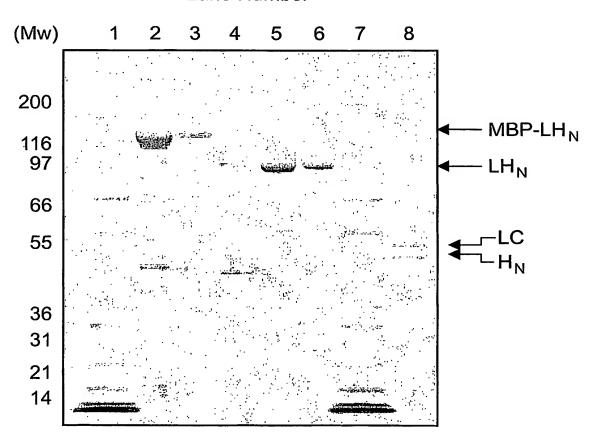


FIG. 2





## FIG. 3

## Method

Step 1
Identify TM



Step 2
Confirm TM
as agonist



Step 3
Prepare agonistprotease conjugate



Step 4
Assess agonist-protease conjugate effects



Step 5 (Optional)
Identify and utilise
inhibitor

## **Approach**

Rational search
Experimental discovery

Detect secretion or channel/ transporter/receptor presentation, or literature precedence

Fusion protein, chemical conjugate, DNA-encoded protease

Detect secretion or channel/ transporter/receptor presentation

Rational search
Experimental discovery

FIG. 4

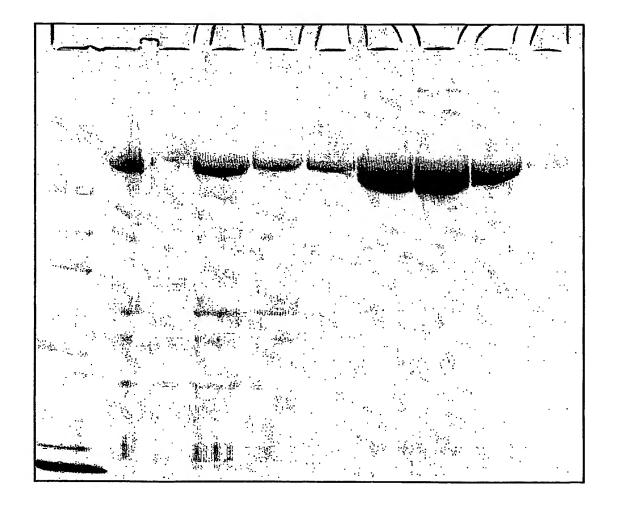


FIG. 5

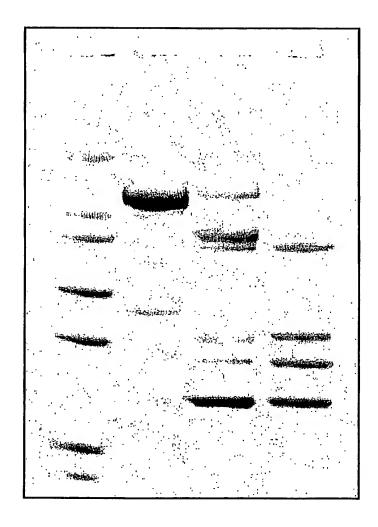
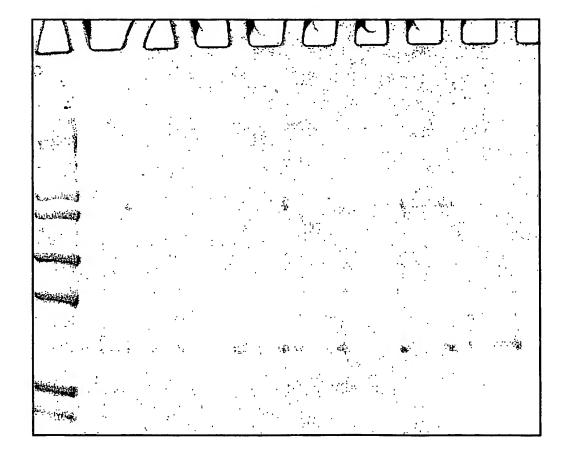
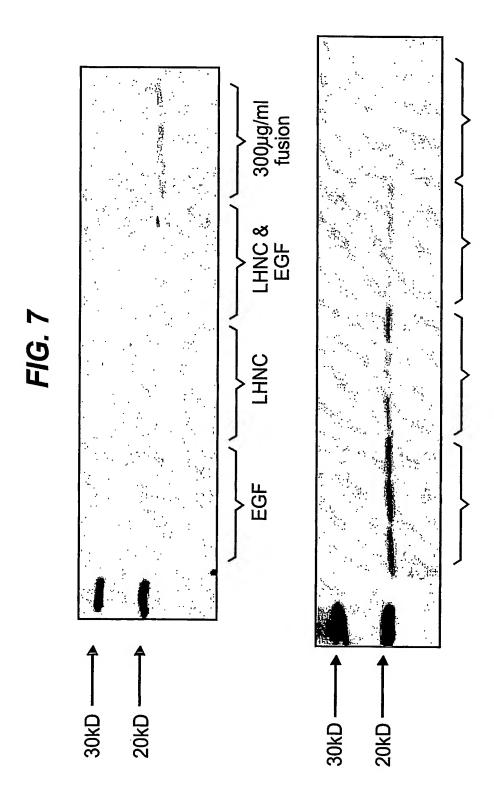


FIG. 6





3 micrograms/ml EGF Mucin release from NCI-H292 cells into medium over a three day period Serum-free medium Mean FIG 8 Serum medium 1.00 1.50 2.007 0.50 -0.50